

## **SUBSCRIPT OBJECTIVE 5**

---

|  |     |
|--|-----|
| <b>OBJECTIVE 5 : ASOCIATED SPECIES</b> ..... | 228 |
| MAROC (INRH) .....                           | 228 |
| SPAIN (IEO) .....                            | 229 |
| TUNISIA (INSTM) .....                        | 229 |
| MALTA (NAC) .....                            | 229 |
| LIBYA (MBRC) .....                           | 230 |

## OBJECTIVE 5 : ASOCIATED SPECIES

The Scientific Committee (SCRS) of the International Commission for the Conservation of Atlantic Tuna (ICCAT) has been showing their concerns about the lack of statistics regarding the incidence of Tuna and Related Species in comparison to other species which are also accidentally caught by these gears. In relation to this, the Project FAO-COPEMED Great Pelagics has included among its aims the systematic elaboration of a data base of captures of species associated to fishing gears catching tuna and related species. Last year already, information about some fisheries like Spanish and Maltese surface longliners was gathered. Besides the aforementioned data, information dealing with Moroccan swordfish fishery with drift gillnet has been obtained. Data regarding captures of species other than bluefin tuna in trap-net fisheries in the countries participating in this project has also been collected in the year 2000.

### MAROC (INRH)

**Table 1.** Accessory catch of the swordfish fishery with drift gillnet in the Port of Tanger.

Accessory catch are represented by bullet tuna (*Auxis thazard*), skipjack tuna (*Katsowonus pelamis*), pelamid (*Sarda sarda*), little tuna : *Euthunus alletteratus*, plain bonito : *Orcynopsis unicolor*, and swordfish : *Xiphias gladius*.

| MONTH        | BFT       | SKJ        | BON        | LTA         | FRI         | BUM          | OTH            |
|--------------|-----------|------------|------------|-------------|-------------|--------------|----------------|
| 1            | 0         | 0          | 0          | 0           | 0           | 0            | 252            |
| 2            | 18        | 0          | 192        | 0           | 0           | 0            | 461            |
| 3            | 0         | 0          | 0          | 247         | 1820        | 0            | 2210           |
| 4            | 0         | 0          | 0          | 140         | 290         | 0            | 5604           |
| 5            | 0         | 0          | 0          | 0           | 1625        | 360          | 6450           |
| 6            | 70        | 0          | 0          | 0           | 240         | 1122         | 2729           |
| 7            | 0         | 0          | 0          | 415         | 0           | 702          | 5025           |
| 8            | 0         | 700        | 0          | 0           | 0           | 10454        | 12144          |
| 9            | 0         | 0          | 0          | 830         | 885         | 24152        | 9550           |
| 10           | 0         | 0          | 0          | 640         | 0           | 9148         | 9756           |
| 11           | 0         | 0          | 0          | 370         | 0           | 2100         | 4338,5         |
| 12           | 0         | 0          | 0          | 454         | 0           | 44           | 861            |
| <b>TOTAL</b> | <b>88</b> | <b>700</b> | <b>192</b> | <b>3096</b> | <b>4860</b> | <b>48082</b> | <b>59380,5</b> |

OTH : requins et squalidés

**Table 1.** Catch of the swordfish fishery with drift gillnet in Tanger. (Data expressed in kg)

**SPAIN (IEO)**

During the first year of the project FAO-COPEMED/Túnidos'99, data regarding the specific composition of the different fisheries of Tuna and Related Species were added. During the development of the project in Year 2000, we continued with the elaboration of catch data by species and gear of bluefin tuna, swordfish and long-finned tuna fisheries. This information was elaborated upon the follow up of the said fisheries in ports belonging to the Information and Sampling Network of IEO and the activity of observers on board of longliners.

In **table 2**, the results corresponding to the Year 2000 with regards to the specific composition of controlled captures of the aforementioned fisheries are presented.

| Object Species | Method of fishing | Associated Species  |
|----------------|-------------------|---|
| BFT            | TRAP<br>Med       | Sarda sarda<br>Euthynnus alleteratus<br>Auxis spp<br>Xiphias gladius  |
| BFT            | HAND<br>BB<br>PS  | -   |
| SWO            | LLHB<br>Med       | Prionace glauca<br>Isurus oxirynchus<br>Sphyrna spp.<br>Alophias spp. |

**Table 2** Associated species to the fisheries of red tuna and sword fish

**TUNISIA (INSTM)**

Catch on trap-nets are composed in an 80% of bluefin tuna, whereas species such as little tuna (*Euthynnus alleteratus*), frigate tuna (*Auxis sp*), plain bonito (*Orcynopsis unicolor*) and pelamids (*Sarda sarda*) constitute the remaining 20% of the catch. This percentage might be more stable in the Monastir trap than in that of Sidi Daud.

**MALTA (NAC)**

Important data was collected daily from the fish market. This included the number and weight of other species caught by the longline of bluefin tuna.

The data collected is summarized in **Table 3**.

|           | May |             | June |             |
|-----------|-----|-------------|------|-------------|
|           | No. | Weight / kg | No.  | Weight / kg |
| ALB       | 3   | 31,25       | 116  | 546,75      |
| hutakahla | 6   | 124         | 13   | 265,25      |
| gurdien   | 4   | 376,5       | 1    | 128,5       |
| kelb      | 1   | 49          | 0    | 0           |
| lamp      | 1   | 15,25       | 35   | 370,5       |
| pastar    | 10  | 180,75      | 6    | 75,25       |
| pplamptu  | 1   | 108,5       | 0    | 0           |
| raspa     | 10  | 66,75       | 20   | 184,5       |

**Table 3** No. and Weight of other Species caught by BFT LLHB

#### LIBYA (MBRC)

Associated species for year 2000: Catch on trap – nets are composed in 47 tn of bluefin tuna, (90%) 4.5 tn of little tuna (8.6%) and 0.5tn of others species (0.9%).

Fishing longline catch specific composition for 1002 tn of bluefin tuna (99%), 7.6 tn of sworfish (0.7%) and 2.8tn of shrks species (0.2%) of swordfish (0.7%) and 2.8 tn of shark species (0.2%).